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DynaMed

User Guide

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DynaMed

DynaMed provides clinically-organized summaries for more than 3,000 disease and condition topics. A simple yet powerful topically-driven menu allows physicians, medical students and other health care professionals to research high-end synthesized information from respected publications, associations, and contributing clinicians.

DynaMed also includes over 800 topic summaries on AHFS Drug Information®. AHFS Drug Information is a tested and proven source of comparative, unbiased, and evaluative drug information. It is a unique and essential reference for healthcare professionals.

DynaMed is updated daily and monitors the content of over 500 medical journals directly and indirectly by using numerous journal review services. Each issue is reviewed cover-to-cover, including letters to the editor. Each article is evaluated for clinical relevance and scientific validity. Through this process of systematic literature surveillance, the best available evidence determines the content of *DynaMed*.

DynaMed is available in a PDA application for Palm OS and Microsoft Mobile devices.

For information on technical requirements and installation instructions for using *DynaMed* on a PDA device, please visit:

> http://www.epnet.com/dynamed/technical.php

You can also access the DynaMed Technical Specifications page by clicking the **PDA Support** link found at the top of the DynaMed interface.

DynaMed Home Page

The *DynaMed* Home Page provides search and browse options to locate topics, displays the default list of topics (those beginning with the letter "A"), and offers a menu on the left side of the page that provides access to standard *DynaMed* topics and information.

Note: To quickly access the *DynaMed* Home Page from any location in *DynaMed*, click the **Start** link located in the top right corner of the *DynaMed* screen.

DynaMed Screen Text Size

You can adjust the size of the text on the *DynaMed* screen. There are three text sizes available – small, normal, and large. The default text size is normal. The text size is managed by a series of controls in the top right section of the *DynaMed* screen:
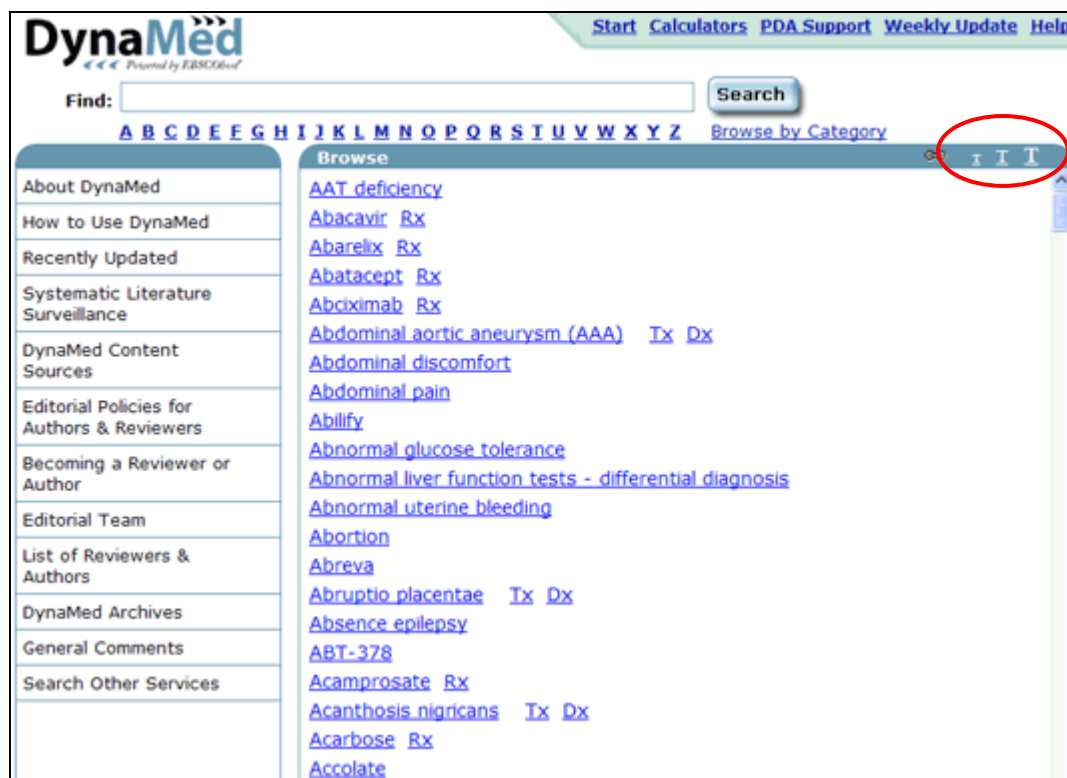
To change the *DynaMed* text size

The default text size is normal – the middle text size control selection. This procedure assumes you have the normal text size selected.

1. Locate the **text size controls** in the top right area of the *DynaMed* screen.

2. Do one of the following:
   - To adjust the *DynaMed* text to a smaller size – click the leftmost, **smallest T link**.
   - To adjust the *DynaMed* text to a larger size – click the rightmost, **largest T link**.

   DynaMed adjusts the text size immediately. To modify the text size again, click the applicable T link.

Level of Evidence Labeling in *DynaMed*

DynaMed introduced level of evidence/strength of recommendation labeling in March 2004.

Individual evidence reports are labeled as one of the following:

- **Level 1 (likely reliable) evidence** – representing the most valid reports addressing patient-oriented outcomes. Examples include randomized trials with at least 80% follow-up, inception cohort studies for prognostic information, and systematic reviews of Level 1 evidence reports. These examples are only presented as brief examples. Achieving a Level 1 evidence label means that specific quality criteria were met based on the study type.

- **Level 2 (mid-level) evidence** – representing reports addressing patient-oriented outcomes, and using some method of scientific investigation, yet not meeting the quality criteria to achieve Level 1 evidence labeling. Examples include randomized trials with less than 80% follow-up, non-randomized comparison studies, and diagnostic studies without adequate reference standards. Level 2 evidence does not imply reliable evidence. For example, hormone replacement therapy was associated with reduced cardiovascular events in large cohort studies (Level 2 evidence), but then shown not to be preventive (and possibly increase the cardiovascular risk) in randomized trials (Level 1 evidence).

- **Level 3 (lacking direct) evidence** – representing reports that are not based on scientific analysis of patient-oriented outcomes. Examples include case series, case reports, expert opinion, and conclusions extrapolated indirectly from scientific studies.

Recommendations are labeled as one of the following:

- **Grade A recommendation** – consistent high-quality evidence
- **Grade B recommendation** – inconsistent or limited evidence
- **Grade C recommendation** – lacking direct evidence

This labeling scheme is formally named the Strength of Recommendation Taxonomy (SORT) and is described in detail, along with the algorithms used for its application, in Am Fam Physician 2004 Feb 1;69(3):548-56.

Note that the United States Preventive Services Task Force (USPSTF) uses a different rating scheme.

The USPSTF recommendations rating scheme corresponds to one of the following:

- **A recommendation** – USPSTF strongly recommends that clinicians provide the service to eligible patients. This is based on good evidence that the service improves important health outcomes and benefits substantially outweigh harms.

- **B recommendation** – USPSTF recommends that clinicians provide the service to eligible patients. This is based on at least fair evidence that the service improves important health outcomes and benefits outweigh harms.

- **C recommendation** – USPSTF makes no recommendation for or against providing the service. This is based on at least fair evidence that the service can improve health outcomes; but the balance of benefits and harms is too close to justify a general recommendation.

- **D recommendation** – USPSTF recommends against routinely providing the service to asymptomatic patients. This is based on at least fair evidence that the service is ineffective or that harms outweigh benefits.

- **I recommendation** – USPSTF concludes that the evidence is insufficient to recommend for or against routinely providing the service. This is based on evidence that is lacking, of poor quality, insufficient, or unable to determine the balance of benefits and harms.

Searching in *DynaMed*

From the *DynaMed* Home Page, you can search for *DynaMed* topics as follows:

- **Search for terms contained in topic titles or topic text** – Use the **Find** field and the **Search** button to perform a full text search for the term(s) you specify.

  Using this method, *DynaMed* is not only searching the topic titles for your search term or phrase, but is also searching all the text within each *DynaMed* topic in the entire *DynaMed* database. Therefore, the search term or phrase you specified might not exist in the topic titles contained in your Result List, but rather, somewhere in the text of the topic.
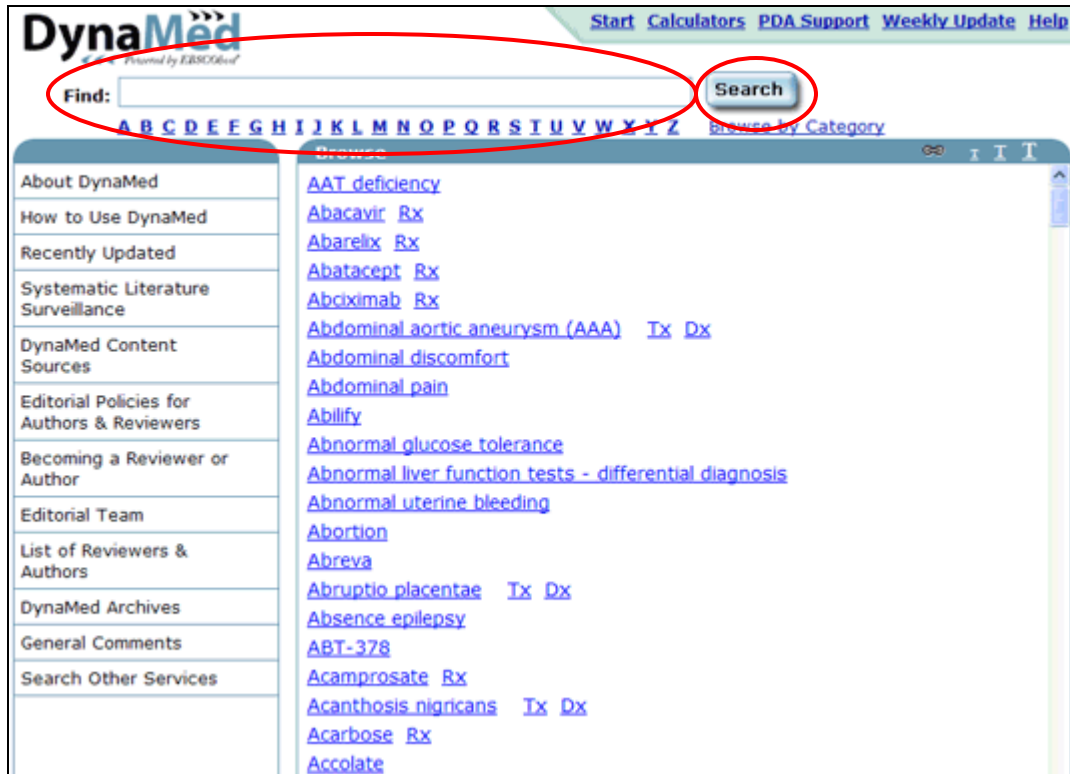
Notes:

- You can use Boolean operators when using Search.

- To obtain the best results when performing a full text search using multiple terms or phrases, use quotes and parentheses. For example:

  ("BMJ 2002 Mar 30" and "798")

To perform a basic search in *DynaMed*:

1. Enter your search term(s) in the **Find** field. Click the **Search** button.

    DynaMed displays a Result List. The topics in the Result List are ordered by relevance, based on the term you entered. Note that the term(s) might not exist in the topic title.

2. Click a *DynaMed* **topic** title to view the topic summary.

For Example

1. Enter the term **Angioplasty** and then click the **Search** button.

    DynaMed displays a Result List that lists the most relevant topics at the top; in this case, the Result List looks similar to the following:

2. Click a **topic** title to display the *DynaMed* topic summary.

Using the Rx, Dx, and Tx Links

DynaMed allows users to access a specific part of a Drug or Condition summary by clicking on the available **Rx**, **Dx**, and **Tx** links found next to a summary link in the result list.

- **Rx –** Clicking on an Rx link next to a Drug summary will open the Drug summary with the Dosage and Administration section automatically expanded.

- **Dx –** Clicking on a Dx link next to a Condition summary will open the Condition summary with the Diagnosis section automatically expanded.

- **Tx –** Clicking on a Tx link next to a Condition summary will open the Condition summary with the Treatment section automatically expanded.
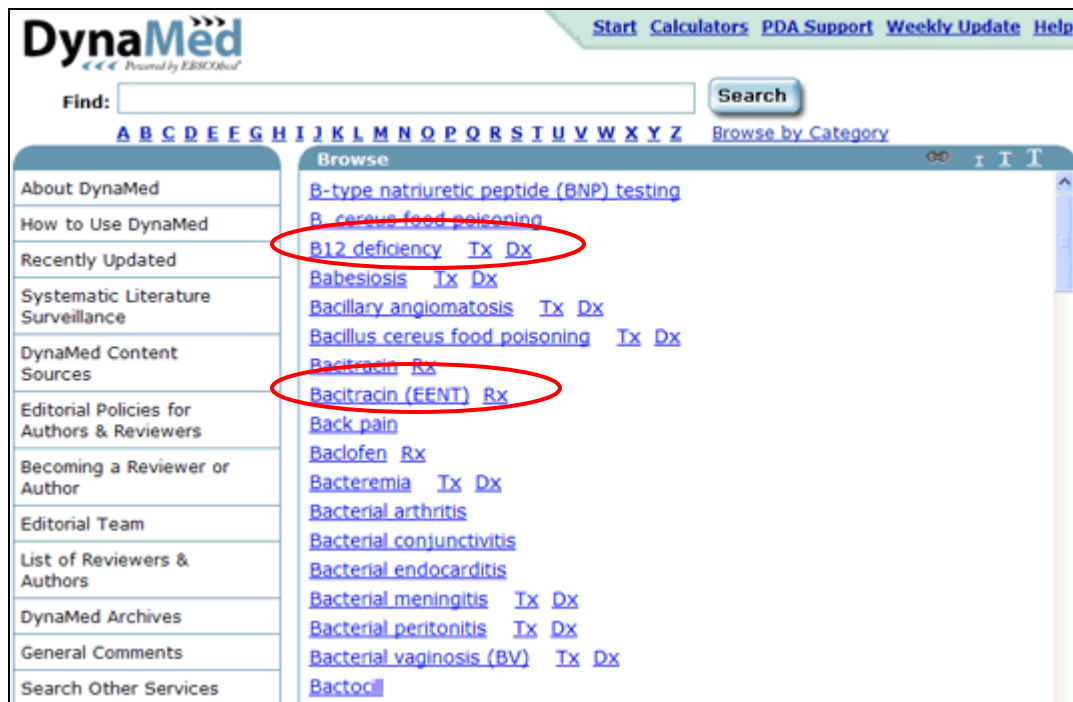
Using Persistent Links

DynaMed offers persistent links to topics, searches, and browse categories. You can use persistent links to share *DynaMed* topics or searches with your colleagues. Simply copy and paste the persistent link into an e-mail, a Web page that you have created, or into a record in your EMR application.

To view a persistent link:

1. Click the persistent link icon 👓 to the left of the Text Size icons.

2. The persistent link to the page (or the search) is displayed in a drop-down field.

3. Click in this field, and the link text is highlighted. Right-click with your mouse and select **Copy**.

4. To close the persistent link drop-down field, click the **X** in the right-hand corner.

5. You can paste the persistent link URL into an e-mail, a Web page you are creating, or an electronic record. Only authorized users will be able to access the article.

Browsing in *DynaMed*

From the *DynaMed* Home Page, you can browse for topics titles as follows:

- **Browse topic titles alphabetically** – Use the A-Z links to browse for topic titles alphabetically.

  When you search using alphabet letter links, *DynaMed* displays a Result List of topics beginning with the letter you clicked.

- **Browse by category name** – Use the Browse by Category link to browse the *DynaMed* Category Result List.

  Within a category, there can be sub-categories and/or topics. Sub-categories are identified by the presence of a blue triangle to the left of the category title.
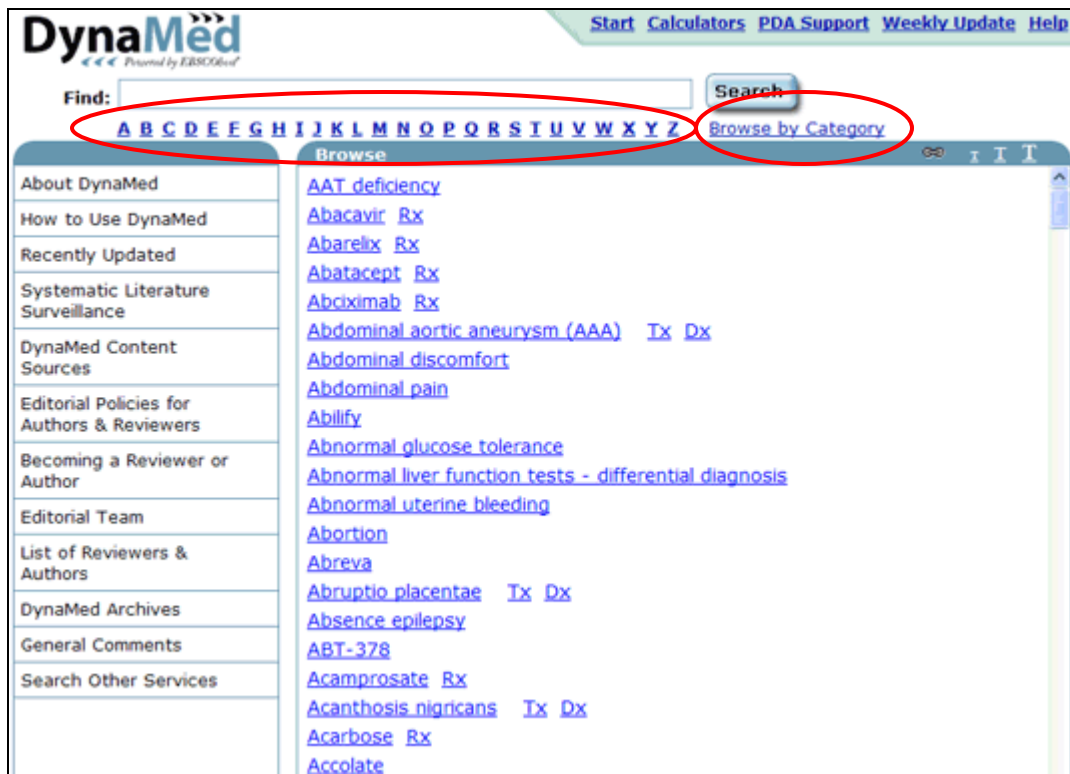
To browse topics alphabetically using the A-Z links

1. Click a **letter** in the A-Z links. *DynaMed* displays a Result List of topics that start with the letter you clicked.

2. Click a *DynaMed* **topic** title to view the topic summary.

For example

1. Click the letter **R**. *DynaMed* displays an alphabetical Result List of topics titles that begin with the letter R. The Result List should look similar to the following:
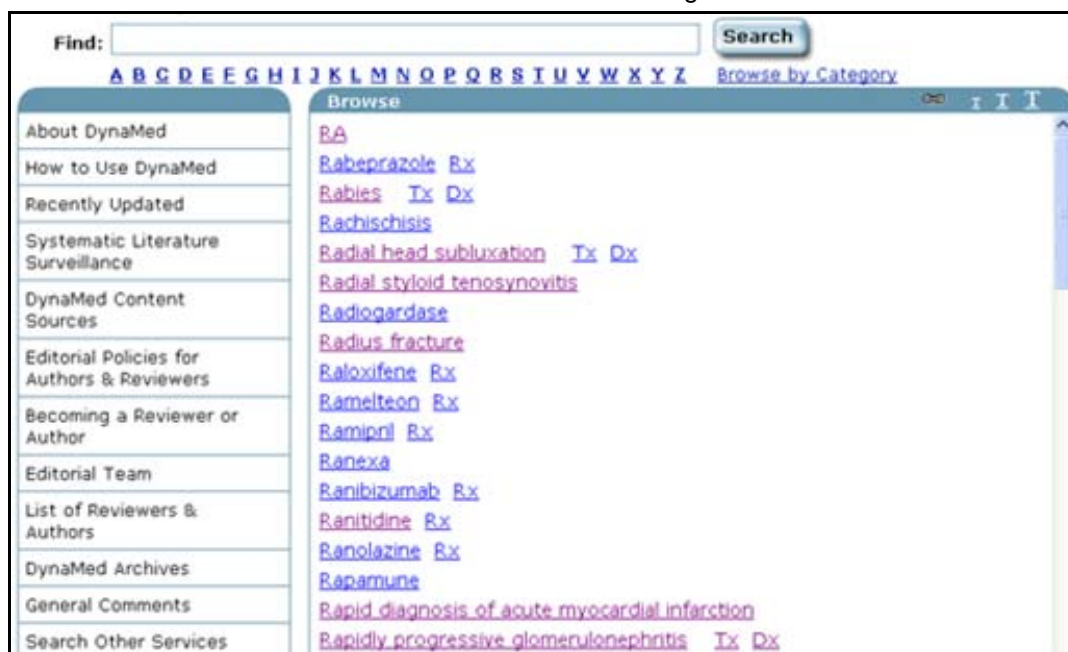
2. Click a **topic** title to view the *DynaMed* topic summary.
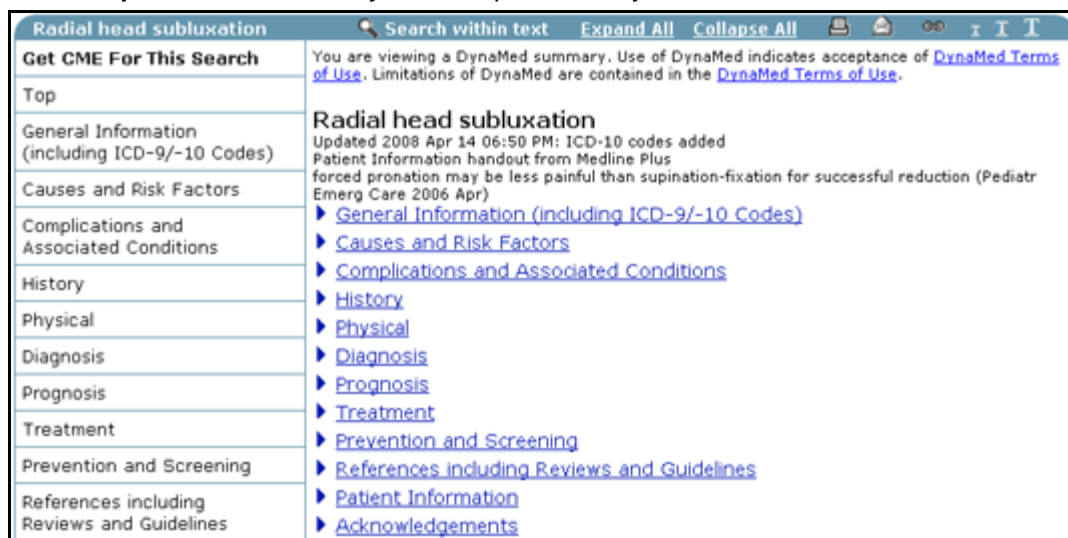
To browse topics by category name

1. Click the **Browse by Category** link. *DynaMed* displays the category Result List.

2. Click a **category title** and review the list of **category topics**.

3. Click either the **blue triangle** located to the left of a category title or the **category title** to view the topics contained in the category. *DynaMed* displays the sub-categories and topics that belong to the selected category.

   Note: To close the category list, click the blue triangle located to the left of the category title. *DynaMed* closes the expanded category and returns to the main list of categories.

4. Do one of the following:

   - To view a topic, click a **topic title**. *DynaMed* displays the topic summary.

   - To view a sub-category, click either the **blue triangle** located to the left of a sub-category name or the **sub-category title** to view the topics and/or sub-categories contained in the selected category.

     Repeat this step until you reach the topic you want to display. Click the **topic** title. *DynaMed* displays the topic summary.

For example

1. Click the **Browse by Category** link. *DynaMed* displays the category Result List.
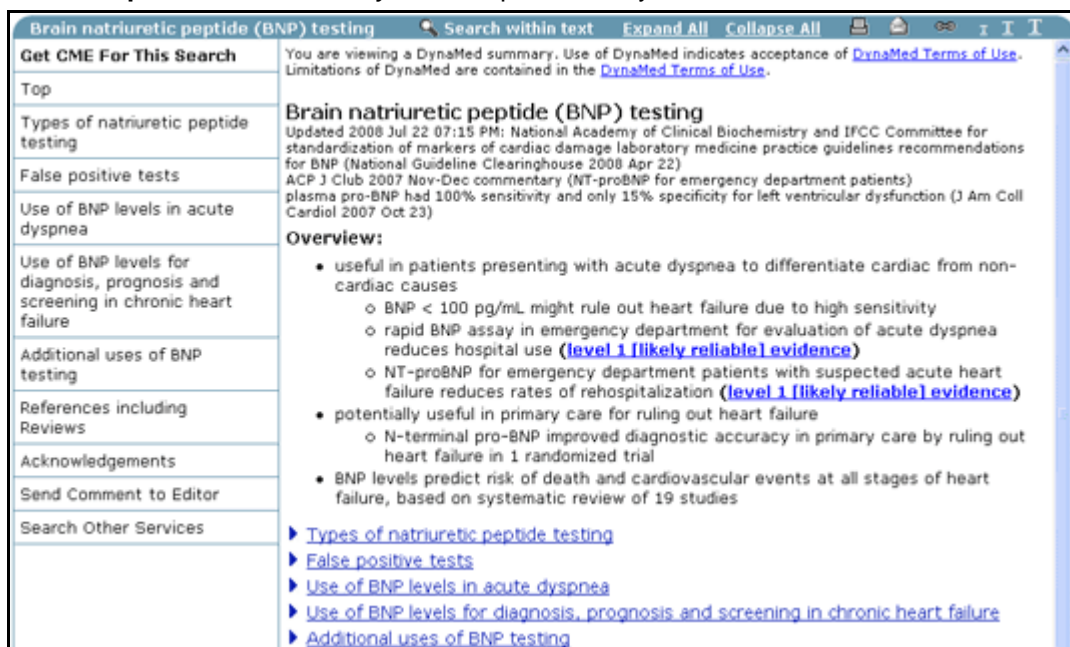

2. Click the **Critical Care** category. *DynaMed* displays a Result List of sub-categories.

3. Click the **Diagnostic Testing** sub-category. *DynaMed* displays the Result List of items that exist in the Critical Care – Diagnostic Testing category. The Result List should look similar to the following:
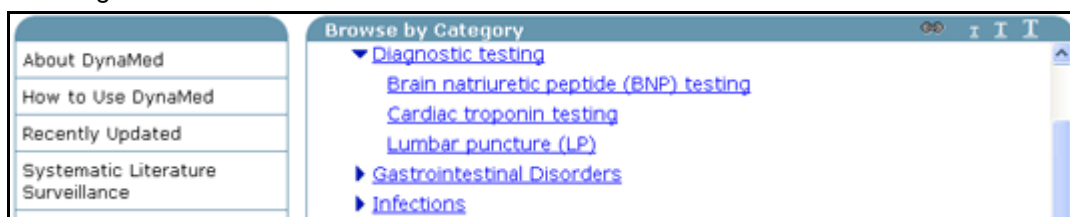
4. Click a **Topic** title to view the *DynaMed* topic summary.

DynaMed Topic Summary Page

Most *DynaMed* topic summaries are organized into standard sections to allow easy navigation. These sections vary depending on whether the topic summary is a disease summary or a drug summary.

The *DynaMed* Disease topic summary sections are:

Description (including ICD-9 Codes)	Prognosis
Causes and Risk Factors	Treatment
Complications and Associated Conditions	Prevention and Screening
History	References (including Reviews and Guidelines)
Physical	Patient Information
Diagnosis	Acknowledgements

The *DynaMed* AHFS Drug topic summary sections are:

Warnings (if applicable)	Mechanisms of Actions/Pharmacokinetics
General Information	Stability
Uses and Efficacy	Preparations
Dosage and Administration	Patient Information
Cautions	References
Drug Interactions	Acknowledgements

Upon opening a *DynaMed* Disease topic summary, all sections are collapsed (not viewable) by default. When opening a *DynaMed* AHFS topic summary, the Warning section is expanded (viewable) by default. To view the information in a collapsed section, click any of the following to expand the section:

- The blue triangle located to the left of the section heading title
- The section heading title link
- The section heading in the menu on the left side of the page
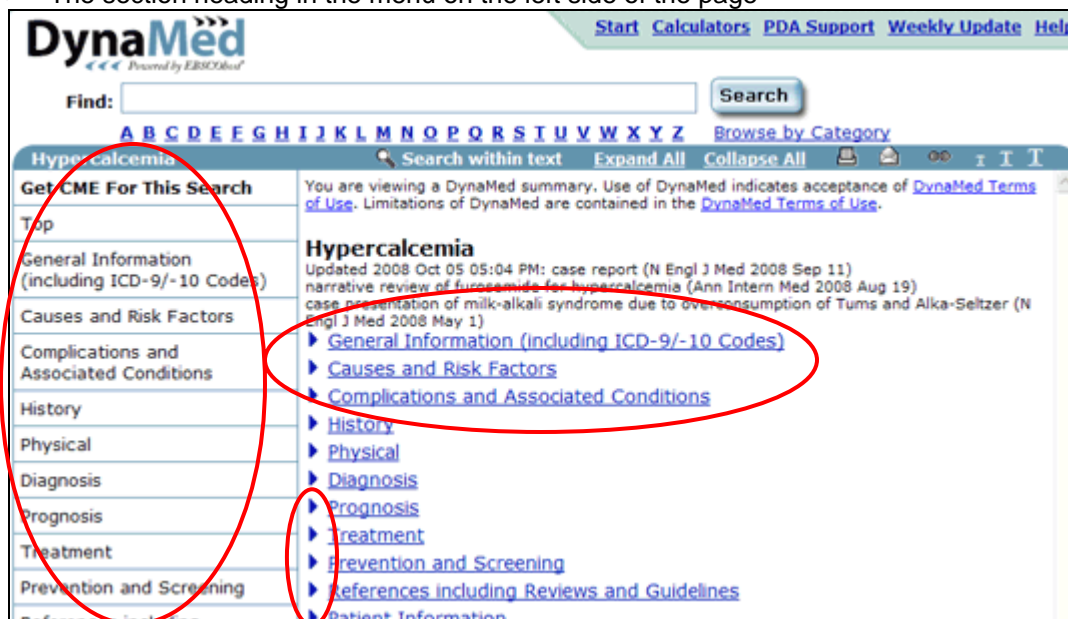
To open all the sections simultaneously, use the **Expand All** link located above the topic summary. To close all sections simultaneously, use the **Collapse All** link.

You can use the scroll bar, arrow keys, or Page Up / Page Down buttons to navigate the topic summary page. Depending on your web browser, you might be able to use CTRL-Home and CTRL-End to jump to the beginning and end of a topic summary.

To navigate a topic summary

1. Access a **topic summar**y. *DynaMed* displays the topic summary with all sections collapsed.

2. Do any of the following to navigate in the topic summary:

   - To expand a specific section, do any of the following:
     - o Click the **section header link**.
     - o Click the **blue triangle** located to the left of the section heading title.
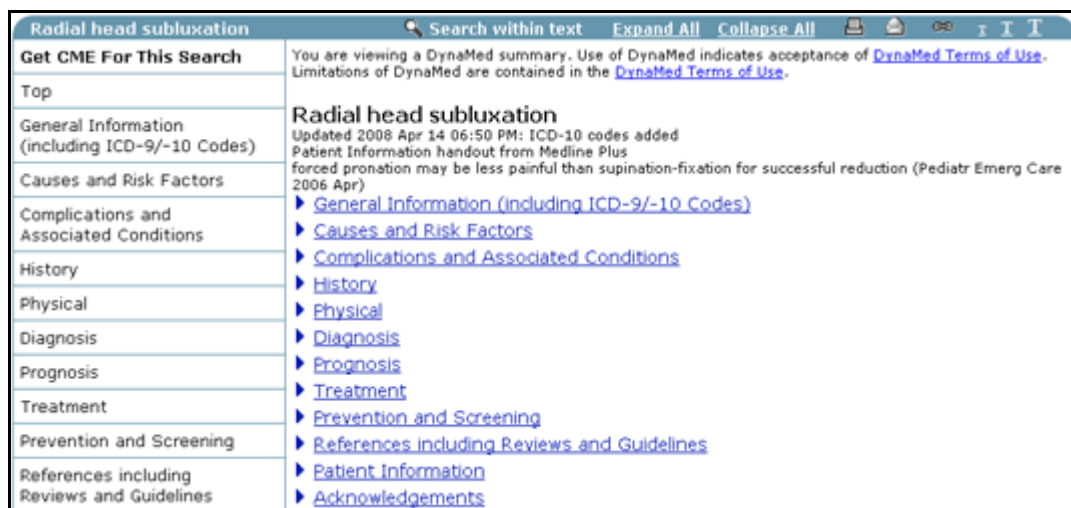   - o Click the **section heading** in the menu on the left side of the page.
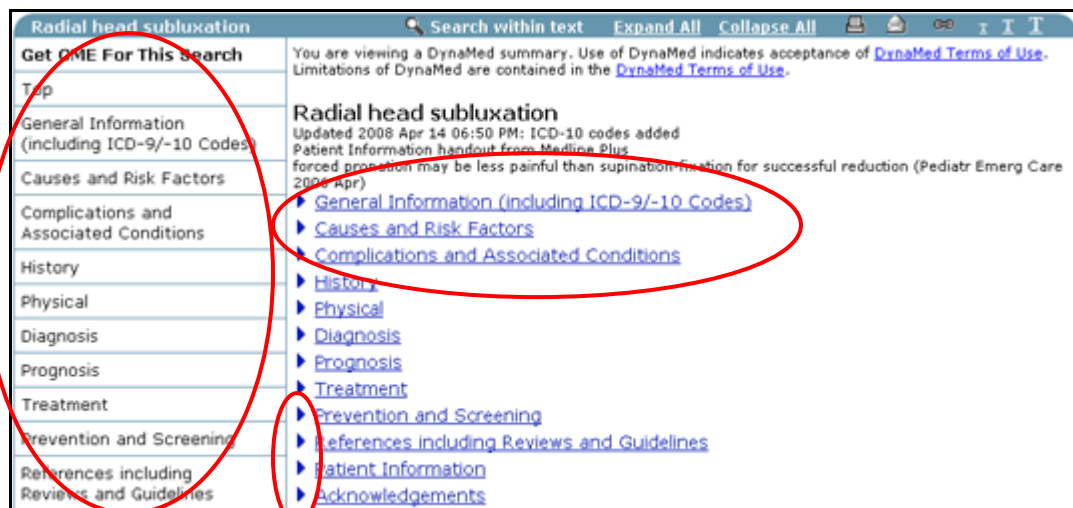
   - To expand all sections simultaneously, click the **Expand All** link located at the top right corner of the topic summary page.
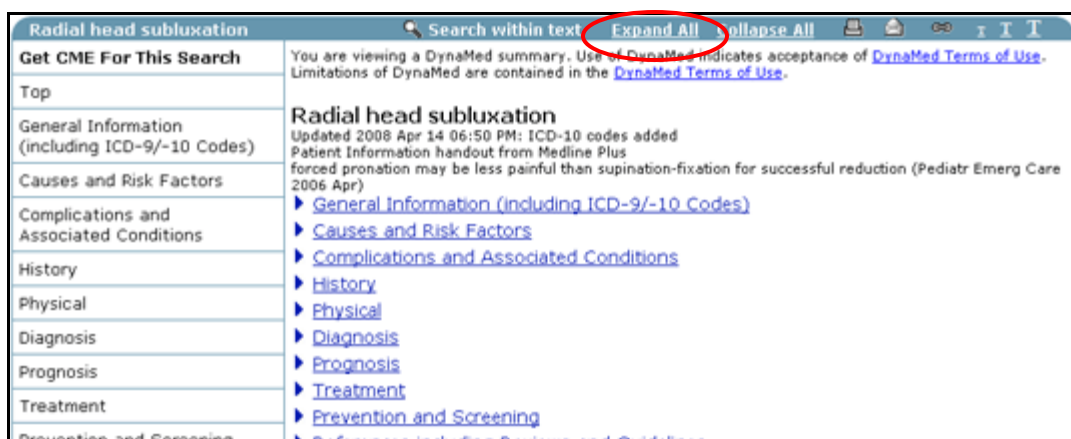
- To move within a topic summary, use any of the following:

  o The **scroll bar** on the right side of the topic summary.

  o The **Page Up / Page Down** keys on the keyboard.

  o The **CTRL-Home** / **CTRL-End** key combinations (to jump to the beginning and end of the topic summary).
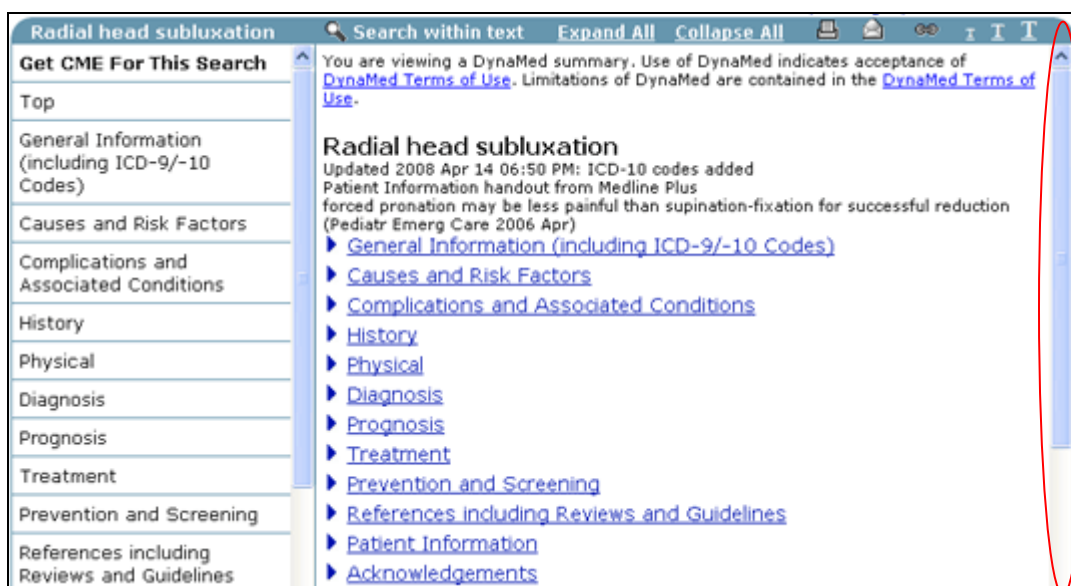
- To close all sections simultaneously, click the **Collapse All** link located at the top right corner of the topic summary page.
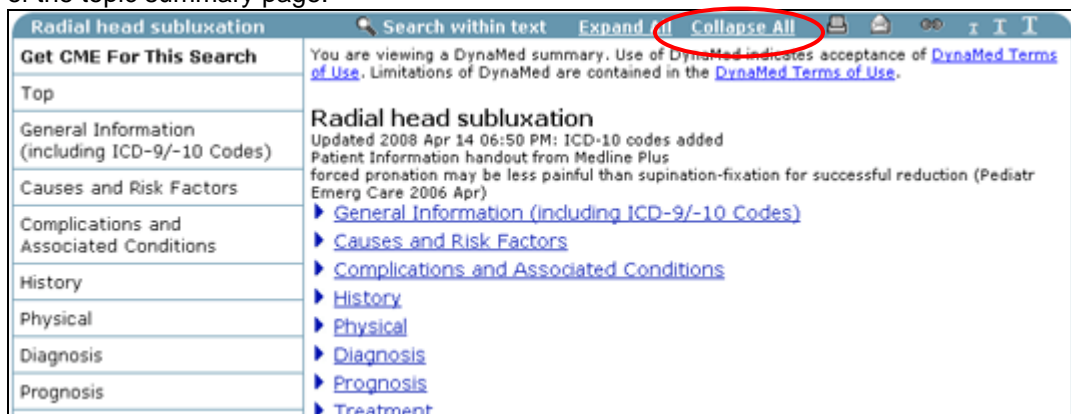
Search Other Services link

If enabled by your DynaMed administrator, you can link to other EBSCO*host* services or select third party websites by clicking on the **Search Other Services** link, found on the left menu bar.
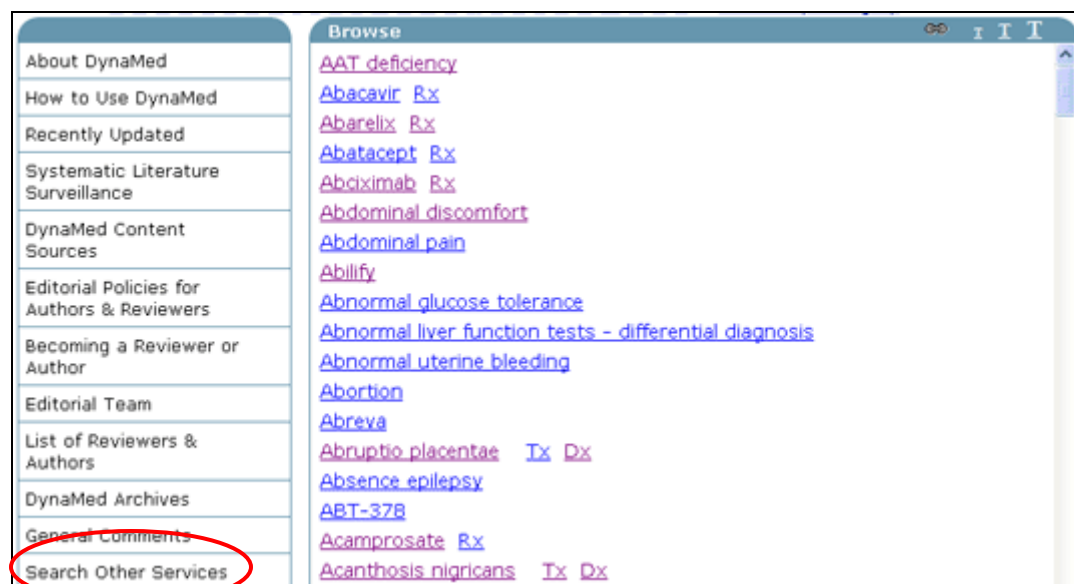
Clicking on **Search Other Services** will result in a new browser window that displays links to the services made available by your administrator. If available, when selecting Search Other Services from within a DynaMed topic summary, you will be able to execute a search for that topic by clicking a link to one of the listed services.
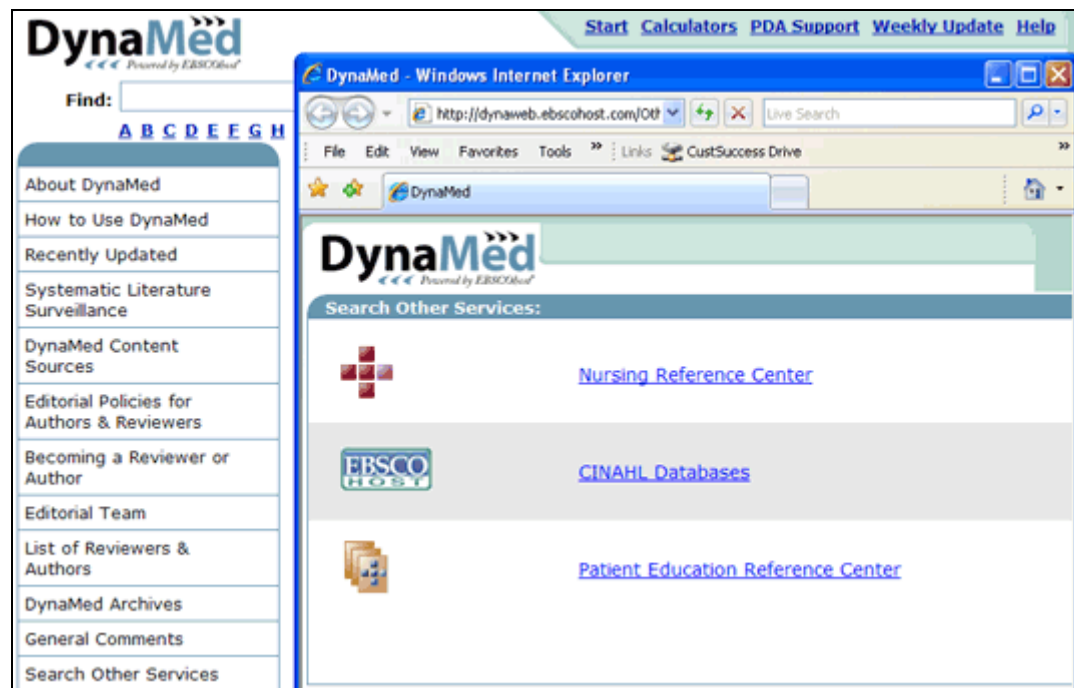
EBSCO*host* Full Text links in *DynaMed*

Some *DynaMed* topics contain links to supporting articles. Clicking these links displays an article abstract or full text via an online medical journal resource.

If your institution subscribes to specific EBSCO databases, additional links might appear in *DynaMed* topic summaries. EBSCO*host* full text links appear when the full text of a cited article is available via an EBSCO*host* database to which your institution subscribes. EBSCO*host* full text links appear in *DynaMed* topic summaries when all of the following are true:

- The full text of an article cited in *DynaMed* exists in an EBSCO database accessible by *DynaMed*.
- Your institution subscribes to the *DynaMed*-supported EBSCO database in which the full text resides.
- Your EBSCO*host* interface profile and *DynaMed* interface profile belong to the same EBSCO*admin* group. For more information on EBSCO*admin* requirements to use EBSCO*host* full text links in *DynaMed*, see the EBSCO*admin* User Guide.

Clicking an EBSCO*host* Full Text link in *DynaMed* launches a new browser window displaying the full text of the article according to the following rules:

If the Full Text exists in….	*DynaMed* displays the article in….
PDF format only	PDF format
Both PDF and HTML format	PDF format
HTML format only	HTML format

Notes:

- For information on which databases *DynaMed* accesses for full text content, see the Knowledge Base on the EBSCO Support Site:

    http://support.ebsco.com

- If full text exists both in an EBSCO database and via a free online journal resource, two separate full text links (to the same content) appear in *DynaMed*. The EBSCO*host* full text link always appears immediately to the right of the citation.
- Standard EBSCO*host* authentication rules apply. If an EBSCO*host* cookie does not exist on the computer in use, you are prompted to supply EBSCO*host* login credentials prior to viewing the EBSCO*host* full text.
- If you link out to a PubMed citation you can continue to add PubMed LinkOuts (via the PubMed Submission utility) to access linkable EBSCO*host* full text and linkable EJS content. PubMed LinkOuts to other non-EBSCO*host* journal content can be added as well.
- Clicking the EBSCO database name link at the top of the EBSCO*host* full text record opens a new browser window initializing an EBSCO*host* session accessing that database.

Printing and E-mailing *DynaMed* Topic Summaries

You can print and e-mail *DynaMed* topic summaries directly from the topic summary page.

To print a topic summary

1. Access a **topic summary** and then click the **print icon** located above the topic summary. *DynaMed* displays the topic summary in the Print Preview screen allowing you to view the content prior to printing.

2. Click the **print icon** located in the top left section of the screen. The browser Print dialog box appears.

3. Click **Print** to send the topic summary to your configured printer.

4. Click the **Close** link to return to the topic summary page.

To e-mail a topic summary:

1. Access a **topic summary** and then click the **e-mail icon** above the topic summary. *DynaMed* displays the e-mail screen.

2. Enter your **name** and your **e-mail address** in the Your Name and Your E-Mail Address text boxes.

3. Enter the **e-mail address** of the person to whom you want to send the topic summary detail in the Send to E-mail Address text box.

   If you are sending the topic summary to more than one person, separate each e-mail address with a semicolon (for example, *name1 @address.net; name2 @address.net).*

4. Use the Delivery Format option to select the **format** in which you want the topic summary e-mail to display: HTML or Plain Text.

5. Use the Message text box to include a **message** to the recipient in the e-mail. (This is optional.)

6. Click the **Send icon** located in the top left corner of the screen. *DynaMed* displays a confirmation message.

7. Click the **Continue** button to return to the topic summary page.

Continuing Medical Education (CME)

DynaMed provides users with a means for obtaining Continuing Medical Education (CME) credits.

CME is required by physicians to maintain licensure. Because point-of-care learning is continuing medical education that meets a physician's specific learning needs, it is appropriate to award American Academy of Family Physicians (AAFP) and American Medical Association (AMA) Prescribed credit for documented point-of-care learning activities. AAFP and AMA approve 0.5 Prescribed credits for every point of care learning activity that utilizes an approved point-of-care CME source. Credits may be awarded by any Accreditation Council for Continuing Medical Education (ACCME) accredited CME provider. In the United States, *DynaMed* is approved for point-of-care learning CME.

For a point-of-care CME source to meet Prescribed credit requirements there must be a mechanism (either from the approved source or from the CME provider) to document the following activity elements:

- The learner's question
- The relevant information found in an approved source
- A description of the implementation of new knowledge in practice

The AAFP and AMA allow members to claim up to 20 credits (40 documented point-of-care CME "inquiries" or "questions" awarded 0.5 Prescribed credits each) per year toward membership re-election.

DynaMed CME

The *DynaMed* Get CME/CE option provides a convenient means for obtaining Continuing Medical Education (CME) credits. There are two methods via which you can make a CME submission from within *DynaMed*:

- **A preferred CME web page** – This method is for users who have access to a CME accredited institution. For example, an institution that has their own accreditation website or an institution that works with a CME provider that has their own accreditation website. The accredited CME institution handles all processing and data collection when a user is passed from *DynaMed* to the CME institution page.

- **EBSCO CME form** – This method is for institutional users who choose to use the EBSCO CME form. The EBSCO CME form is American Medical Association (AMA) and American Academy of Family Physicians (AAFP) approved. The contents of the form are e-mailed to the CME coordinator at the user's CME institution.

When you click the Get CME/CE option, *DynaMed* attempts to open a new browser window displaying the form. If the form does not appear, this probably indicates your browser has prevented the form from appearing. Because the form resides outside of *DynaMed*, the browser perceives the form to be a "pop-up" window and, depending on your browser settings, might block it. Refer to your browser's online Help for information about how to allow pop-up windows. You can also refer to the Knowledge Base on the EBSCO Support Site for the most specific and current information:

> http://support.ebsco.com

Note: To use the *DynaMed* Get CME/CE option, you must enable the feature, select, and then configure one of the CME methods using EBSCO*admin.* If you do not have access to EBSCO*admin*, please contact *DynaMed* Support via e-mail dynamedsupport@ebscohost.com or by phone 1-800-758-5995.

Using the Get CME/CE option

To use the Get CME/CE option via a preferred CME web page

1. Access a **topic summary**.

2. Click the **Get CME/CE For This Search** option in the menu on the left side of the page. *DynaMed* opens the configured CME page in a new browser window.

3. Complete the **information** required by the providing institution.

Note: The URL for the CME web page is configured in EBSCO*admin*. If the URL is not entered accurately, standard browser errors occur.

To use the Get CME/CE option via the EBSCO CME form

1. Access a **topic summary**.

2. Click the **Get CME/CE For This Search** option in the menu on the left side of the page. *DynaMed* opens the EBSCO CME form in a new browser window.

3. Complete the **form** and then click **submit**. The form contents are e-mailed to the e-mail address configured for the CME coordinator.

Notes:

- The EBSCO CME form includes the topic searched and date, but provides no validation on the content entered by the user.

- After submitting the form, it is the responsibility of the CME coordinator at the specified institution to manage the records and grant the credits physicians use to report their CME activities to governing bodies.

- The CME coordinator e-mail address is configured in EBSCO*admin*. If an invalid e-mail address is configured, e-mail submissions will bounce with no notification.
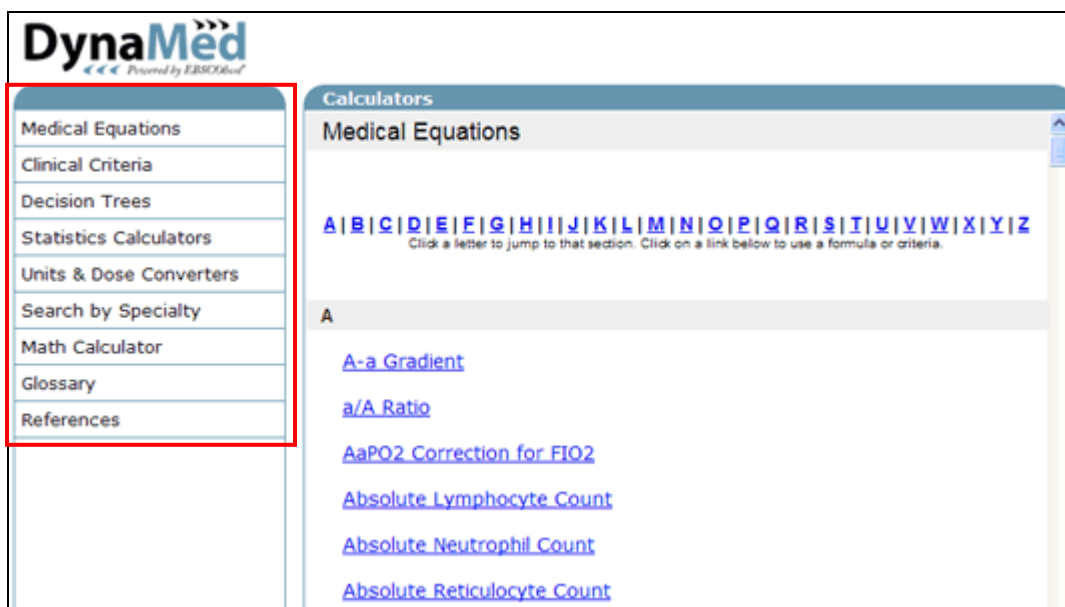
DynaMed Calculators

DynaMed includes interactive calculators, equations and decision trees that allow you to enter values in commonly used formulas to obtain numerical data, such as urinary protein excretion estimation or estimate the severity of community acquired pneumonia in a given patient based upon the presence or absence of major risk factors.

To access the *DynaMed* Calculators:

1. From any screen, click the **Calculators** link found in the top menu of the *DynaMed* interface.
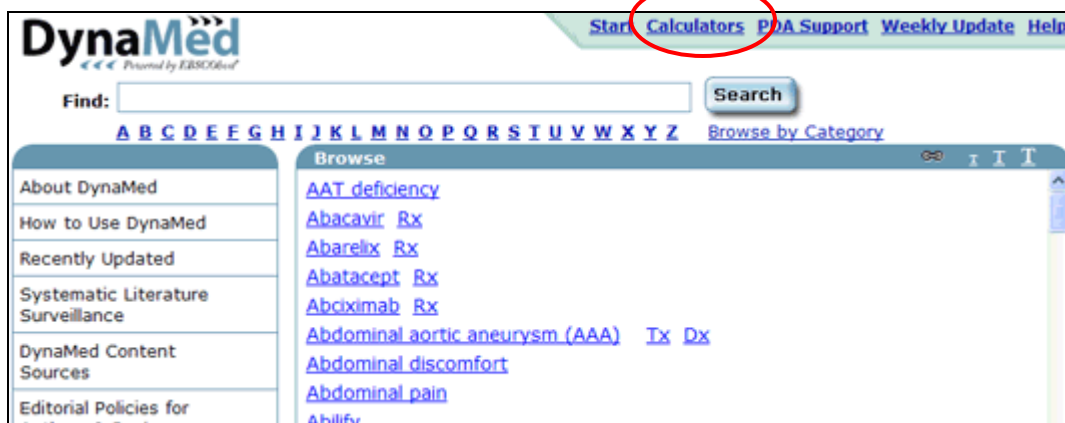
2. The *DynaMed* calculators screen will appear in a new window. Select a Medical Equations calculator from the displayed browse list or select a different calculator type from the menu on the left.

3. Enter your figures into the selected calculator. A result will automatically be generated as you input your numbers.

4. When finished with the calculator, you can return to the *DynaMed* interface by closing the calculator window.

Note: Most calculators include information to help you interpret your results, as well as references to literature with links to PubMed articles.

DynaMed via PDA

DynaMed is available in a PDA application for Palm OS, Microsoft Mobile and BlackBerry devices. *DynaMed* is also available as a Native app on iPhone and iPod touch. For information on technical requirements and installation instructions for using *DynaMed* on a PDA device, click the following link to visit the *DynaMed* information page:

DynaMed on PDA Devices

You can also go to http://ebscohost.com/dynamed and click on the **Available in PDA** link found at the top of the page.

DynaMed Weekly Update

The *DynaMed* Weekly Update is a free newsletter service from *DynaMed's* editors. The newsletter provides valuable information to the medical community via email to opt-in subscribers; it is also available on the web, via podcast and RSS feed and is archived for reference.

DynaMed editors monitor a large volume of research information on a daily basis through Systematic Literature Surveillance and frequently find articles that are of significant and timely interest to health care providers. Based on the criteria of choosing "articles most likely to change clinical practice", *DynaMed* sends a concise brief about these articles to subscribers in an email based advertising-free newsletter.

To access the *DynaMed* Weekly Update from the *DynaMed*, click the **Weekly Update** link found in the menu at the top of the screen.
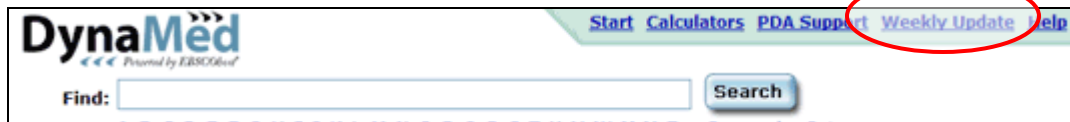
To subscribe to the *DynaMed* Weekly Update, go to the subscription form and submit a subscription request.

To view the newsletter's archives, go to the *DynaMed* Weekly Update archive page and read past issues including the Year in Review issues, a compilation of the 20 most important articles from the previous year's issues.

Comments to the Editor

DynaMed provides an option that allows you to send comments to the *DynaMed* editorial team. You can send general comments and questions, as well as comments associated with a specific *DynaMed* topic summary.

Major enhancements to *DynaMed* (such as ICD-9/10 codes and links to Patient Information handouts) are the direct result of user input. The *DynaMed* editorial staff greatly appreciates your comments, questions and ideas.

To send a general comment to the *DynaMed* editors

1. Access the ***DynaMed* Home Page**.

   Note: To quickly access the *DynaMed* Home Page, click the **Start** link located in the top right corner of the *DynaMed* screen.

2. Click the **Send Comment to Editor** item option in the menu on the left side of the page. *DynaMed* opens a new browser window displaying the Send Comment to Editor form.

3. Complete all the **fields** on the form and then click the **Submit** button. *DynaMed* sends your comments to the *DynaMed* editorial team.

To send a topic summary-specific comment to the *DynaMed* editors

1. Access a **topic summary** and then click the **Send Comment to Editor** item option in the menu on the left side of the page. *DynaMed* opens a new browser window displaying the Send Comment to Editor form. The topic summary name is displayed at the top of the form.

2. Complete all the **fields** on the form and then click the **Submit** button. *DynaMed* sends your comments to the *DynaMed* editorial team.